

**NOTES:**

1. Use the following as a guide of when each Entrance or Access Type should be used:
  - 1.a. Cement Concrete Driveway Entrances Type 1 (Entrances) or Accesses Type 1 (Accesses) shall be used at driveways where the planting strip width is 5' or greater.
  - 1.b. Cement Concrete Driveway Entrances Type 2 (Entrances) or Access Type 2 (Accesses) shall be used at driveways and alleys where the planting strip is less than 5' wide.
  - 1.c. Cement Concrete Driveway Entrance Type 3 (Entrances) or Accesses Type 3 (Accesses) shall be used at alleys where the planting strip is 5' wide or greater.
2. Standard Concrete shall be a minimum compressive strength of 3,000 PSI.
3. Concrete Joints:
  - 3.a. All joints shall be cleaned & edged.
  - 3.b. All expansion or isolation joints shall be full depth.
  - 3.c. External joints to the driveway shall be 1/2" radius. Internal joints to the driveway shall be 1/4" radius.
  - 3.d. All joints shall be saw cut full depth prior to restoration and 3/8" expansion joint installed. Cutting wheel run-out beyond the limits of the opening shall be filled in accordance with WSDOT Standard Specification 5-05.3(8)B for cement concrete surfaces and 5-04.3(5)C for asphalt concrete surfaces.
4. Entrances and Accesses wider or narrower than shown on this plan require approval of the Director of Public Works.
5. Entrances and Accesses shall have a brushed finish in a transverse direction to the center line of Entrance or Access.
6. Entrances or Accesses wider than 20' require a center line expansion joint.
7. When trenching through an Entrance or Access:
  - 7.a. If Entrance or Access is 20' or less in width, full replacement is required.
  - 7.b. If Entrance or Access is greater than 20' in width, a minimum 2' wide cut back over undisturbed soil is required and replacement shall extend to the nearest control joint.
8. Transition panel from new Entrance or Access to sidewalk shall be a minimum of 5 feet.
9. For Entrances or Accesses within the North Slope Historical District area use Standard Plan HD-NS02. See Standard Plan HD-NS01 for map of Historical District area limits.
10. Permeable surfacing may be allowed for Entrances or Accesses. Refer to Standard Plans PD-01 and PD-02 as applicable. Do not compact subgrade for permeable surfacing and refer to APWA GSP 2-06.3(3) Subgrade for Permeable Pavements. A soils report is required and modeling may be necessary per SWMM BMP L633.
11. Geomembrane barrier required between standard and permeable sections. Refer to City of Tacoma Standard Plan GSI-18.
12. Refer to Tacoma Municipal Code 10.14, driveways for additional information.
13. A 2" Ø PVC Sch. 80 Pipe with capped ends shall be installed as shown, per TMC 10.14.070. Pipe shall be buried 24 inches below finished grade and have a pull string and location wire per WSDOT 9-29.3(2)A4.
14. Detectable Warning Surface shall be placed at alleys if the ADT is greater than 700, in the downtown area, located near a high pedestrian volume area, or where there are sight distance concerns. The detectable warning pattern, if needed, shall be placed the full width of the sidewalk in accordance with City of Tacoma Standard Plan SU-05A.
15. When an existing entrance or access does not meet current ADA standards as defined by the City of Tacoma's Design Manual, the entire entrance or access shall be replaced to current ADA standards.

<p style="text-align: center;"><b>REVIEWED BY</b></p> <p style="text-align: center;"><i>DCS</i> PUBLIC WORKS</p> <p style="text-align: center;"><i>N/A</i> TACOMA POWER</p>	<p style="text-align: center;"><i>Gmsj</i> ENVIRONMENTAL SERVICES</p> <p style="text-align: center;"><i>N/A</i> TACOMA WATER</p>	<p style="text-align: center;"><b>APPROVED FOR PUBLICATION</b></p> <div style="text-align: center;">  </div> <p style="text-align: center;"><i>[Signature]</i> CITY ENGINEER</p>	<p style="text-align: center;"><b>CITY OF TACOMA</b> <b>CEMENT CONCRETE DRIVEWAY</b> <b>ENTRANCE AND ACCESS</b> <b>TYPE 1</b></p> <p style="text-align: center;"><i>8/22/17</i> DATE</p> <p style="text-align: center;"><b>STANDARD PLAN NO. SU-07A</b></p>
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